

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

DISCLOSURE
APPLICANT

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

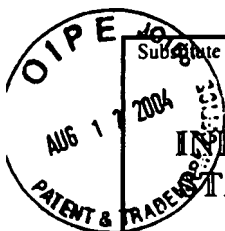
**Examiner
Signature**

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov/mpep 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-0100 (1-800-786-0100) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number



Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/687,209
Filing Date	October 16, 2003
First Named Inventor	Mika FORSSELL
Art Unit	
Examiner Name	
Attorney Docket Number	4925-309

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind-Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind-Code ⁵ (if known)				
	AA	WO 99/48310 A1	9/23/1999	Puuskari		
	AB	WO 01/58095 A1	8/9/2001	Parantainen		

Examiner Signature		Date Considered	6/24/07
-----------------------	--	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-0100 (1-800-786-0100) and select option 2

Patent Office

PATENTTI- JA REKISTERIHALLITUS

Patentti- ja innovaatiolinja

Patent & Innovation

Search Report

TUTKIMUSRAPORTTI

PATENTTIHAKEMUS NRO 20021869 <i>Appln. No.</i>	LUOKITUS - Classification (Int. Cl. ⁷) H04L 12/56, H04Q 7/22, 7/32
---	---

TUTKITTU AINEISTO - Research material
Patenttijulkaisukokoelma (FI, SE, NO, DK, DE, CH, EP, WO, GB, US), tutkitut luokat - researched classes <i>Published patent specification</i>
Tiedonhaut ja muu aineisto - Data search EPODOC

VIITEJULKAISUT - Reference publications		
Kategoria <i>Category</i>	Julkaisun tunnistetiedot - Identification data	Koskee - Relevant vaatimuksia <i>to claims</i>
A	WO A1 0076230 H04Q 7/22 14.12.2000 Nokia Mobile Phones Ltd; mm. sivu 3 rivi 26 - sivu 4 rivi 25	1-30
A	WO A1 0180518 H04L 29/06 25.10.2001 Motorola Inc.; mm. sivu 6 kpl 2-5, sivu 7 kpl 3	1-30
A	WO A1 0189241 H04Q 7/22 22.11.2001 Nokia Mobile Phones Ltd; mm. sivu 3 rivit 11-28, sivu 5 rivi 29 - sivu 8 rivi 27	1-30
A	WO A1 0213471 H04L 12/64 14.02.2002 Telefonaktiebolaget LM Ericsson; mm. sivu 5 rivi 27 - sivu 6 rivi 11, sivu 15 rivit 5-27	1-30
<p>*) X Patentoitavuuden kannalta merkittävä julkaisu yksinään tarkasteltuna. Y Patentoitavuuden kannalta merkittävä julkaisu, kun otetaan huomioon tämä ja yksi tai useampi samaan kategoriaan kuuluva julkaisu. A Yleistä tekniikan tasoa edustava julkaisu, ei kuitenkaan patentoitavuuden este.</p> <p><i>A) document defining the general state of the art which is not considered to be of particular relevance</i></p>		
Päiväys - <i>Date</i> 13.06.2003	Tutkija - <i>Examiner</i> Jorma Ristola	

J. Ristola 6/24/03